Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (Canceled)

Claims 9-12 (Canceled)

Claim 13 (New): Apparatus for constructing an immobilized a cDNA library on a support comprising:

a. liquid feeding means for feeding at least one reaction solution to a container;

b. a switch for controlling the flow of a plurality of reaction solutions;

c. nozzle driving means for driving a nozzle for introducing or removing test material in a front-rear and right-left direction in a plane and an up-down direction;

d. solution temperature controlling means for heating and cooling reaction solutions in the container;

e. a test material container holding means for holding containers into which each test material or solution is set for constructing an immobilized DNA library on the supports;

f. test material container temperature control means for maintaining the test material container holding means at a predetermined temperature; and

g. means for cleaning and eluting DNA and a waste solution tank.

Claim 14 (New): The apparatus according to claim 13 wherein the container holding means holds 96 test material containers.

Claim 15 (New): The apparatus according to claim 13 wherein the container holding means and the test material container holding means comprises an aluminum block.

Claim 16 (New): The apparatus according to claim 13 wherein the supports for constructing a cDNA library are of a plate shape, a ball shape, a cube shape, and a grain shape.

Claim 17 (New): A process for constructing an original support on which a cDNA library is immobilized and replicas of the original support comprising:

a. chemically modifying a number of supports with respect to oligo dT;

b. inserting the supports into containers;

c. inserting the containers into container holding means;

d. adding to the supports a reaction solution containing purified RNA solution, reverse transcriptase enzyme solution, and a nucleotide by feeding purified RNA solution through a liquid feeding means controlled by a liquid feeding

switch, after a predetermined time at a temperature equal to or lower than the predetermined temperature, switching the liquid feeding switch means to reverse transcriptase enzyme solution to add reverse transcriptase solution, and adding test material from a container and setting the temperature of the container holding means at a predetermined temperature to construct cDNA from mRNA;

e. setting the temperature of the container holding means to a temperature equal to or lower than the predetermined temperature, shifting the liquid feeding switch means to a waste liquid tank to discharge reaction solution in the container to a waste liquid tank;

f. shifting the liquid feeding switch means to a solution of tris-ethylenediaminetetraacetic acid;

g. heating the container holding means to a predetermined temperature so as to hybridize mRNA;

h. shifting the liquid feeding switch means to a container for temporarily preserving mRNA;

i. moving dehybridized mRNA solution to a second container for temporarily preserving mRNA by driving the liquid feeding means.

Claim 18 (New): The method according to claim 17 for constructing replica supports comprising using dehybridized mRNA comprising

providing a support and dehybridized mRNA in a container by reversibly driving the liquid feeding means.

Claim 19 (New): A method for producing an original support of gDNA library and replica supports comprising:

a. providing a first support onto which chemically modified oligo nucleotide sense portion having a restrictive enzyme portion whereby the oligonucleotide is hybridized and treated with a restrictive enzyme so as to prepare a complete restricted enzyme portion;

b. setting the first support into a first container;

c. setting replica supports having restrictive enzyme portions into containers;

d. adding to each container reaction solution by successively adding to each container purified gDNA library solution treated with restrictive enzyme, DNA ligase solution, DNA polymerase solution, and nucleotide;

e. maintaining the containers at a predetermined temperature for a predetermined time so as to immobilize a gDNA library on each support;

f. cleaning each container with a solution of tris-ethylenediaminetetraacetic acid;

g. temporarily preserving anti-sense portion of a gDNA library from each support.

Claim 20 (New): The method according to claim 19 further producing replicas comprising adding temporarily preserved anti-sense portion of a gDNA library to each container containing a support.